

Figure 1

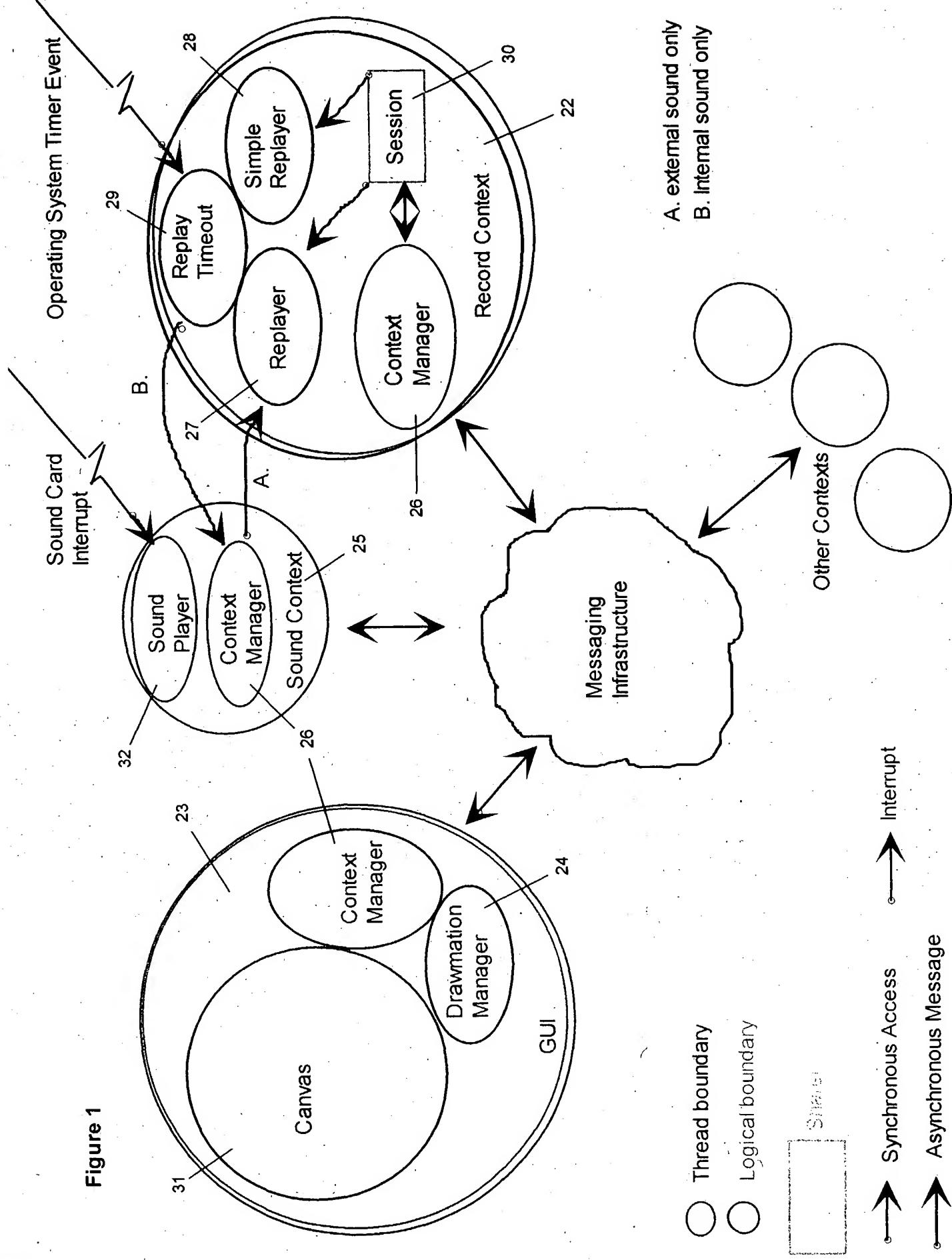


Figure 2

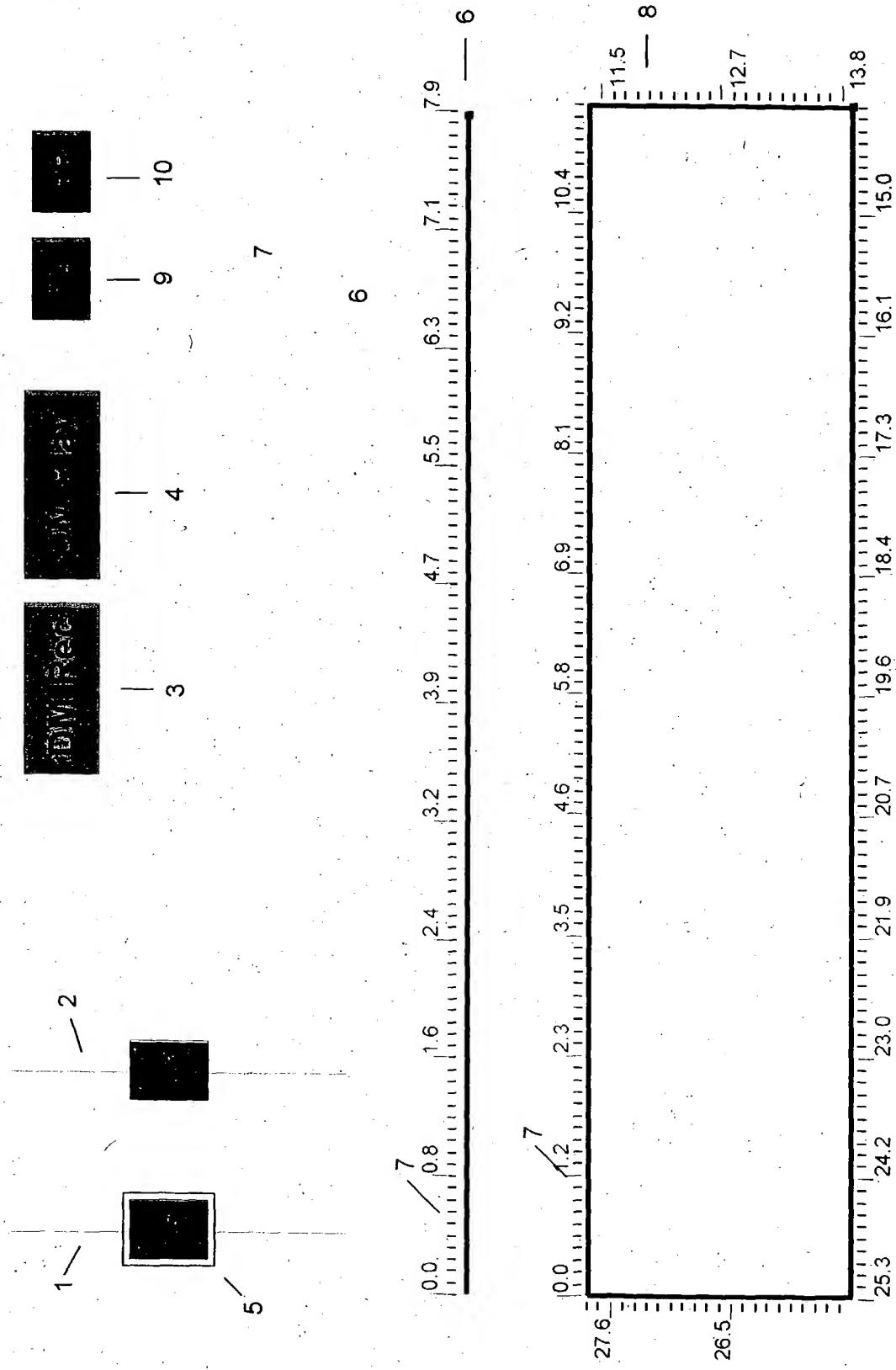


Figure 3

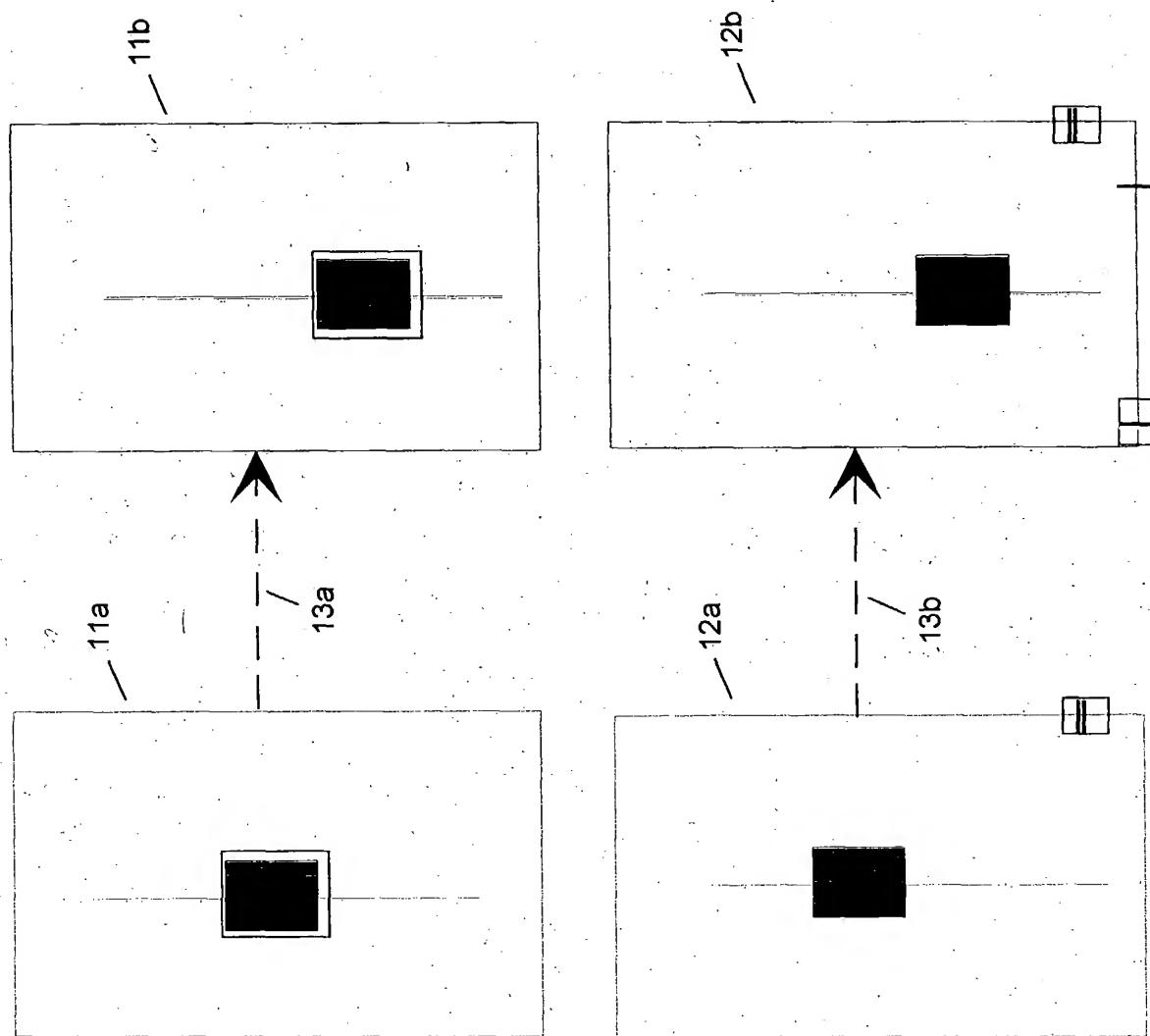


Figure 4

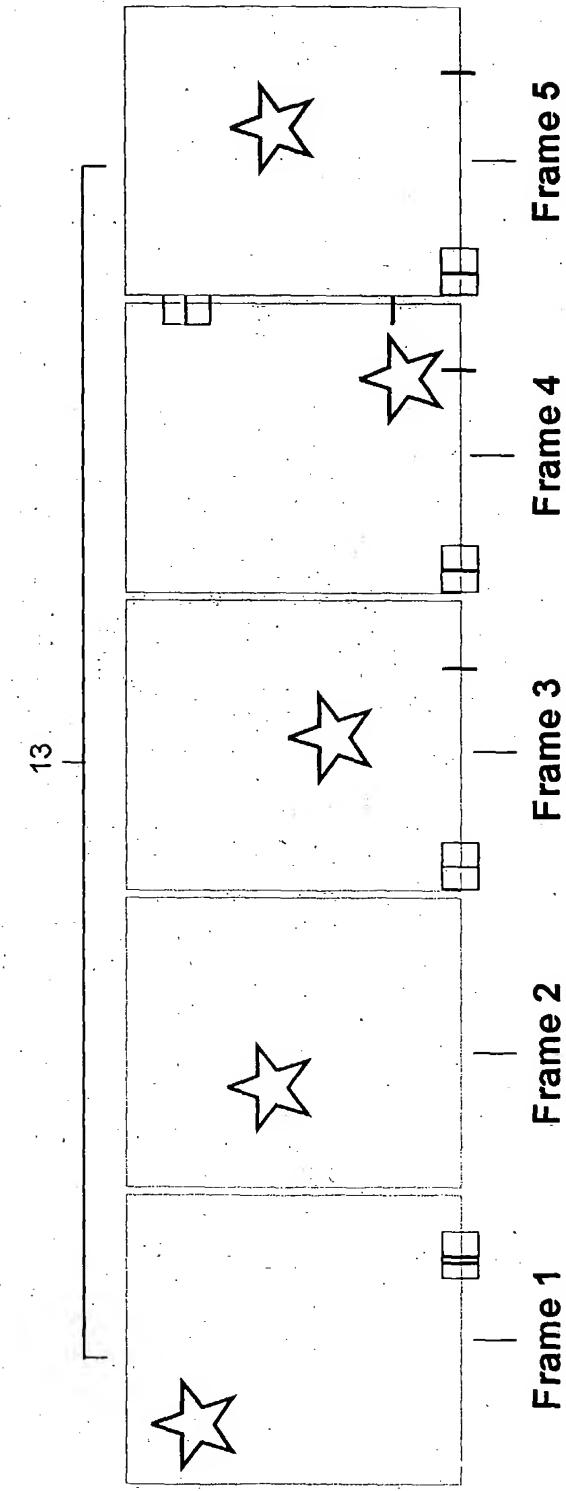


Figure 5

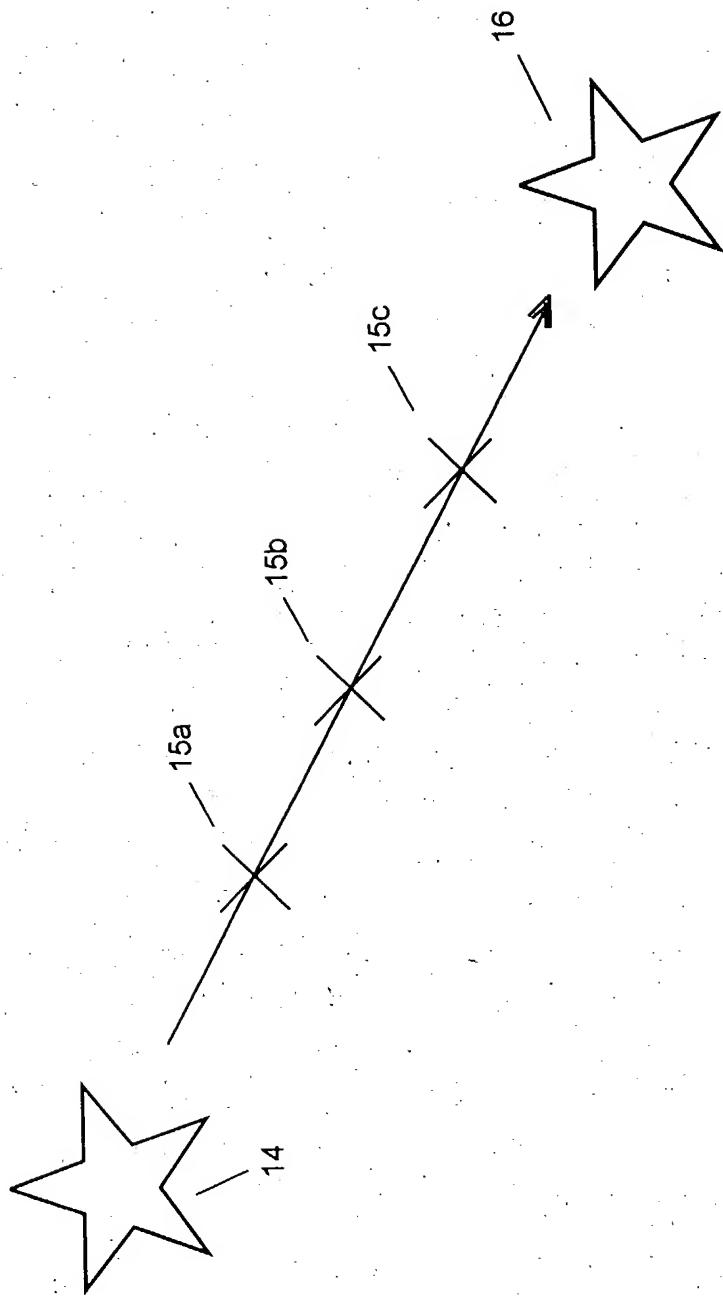


Figure 6

— Record Pass
— Current Session

Multiple record passes can be made during a single replay cycle.

During the first replay cycle in which a control is recorded, it is automatically punched in and out when recording starts and stops.

Note that replay does not have to start at the beginning of the session. Replay may be started at any point up to the end of the session.

Note that the duration of the current session is extended by recording past the replay end time. On the next replay cycle, replay will end at this new time (if the user does not record past it again).

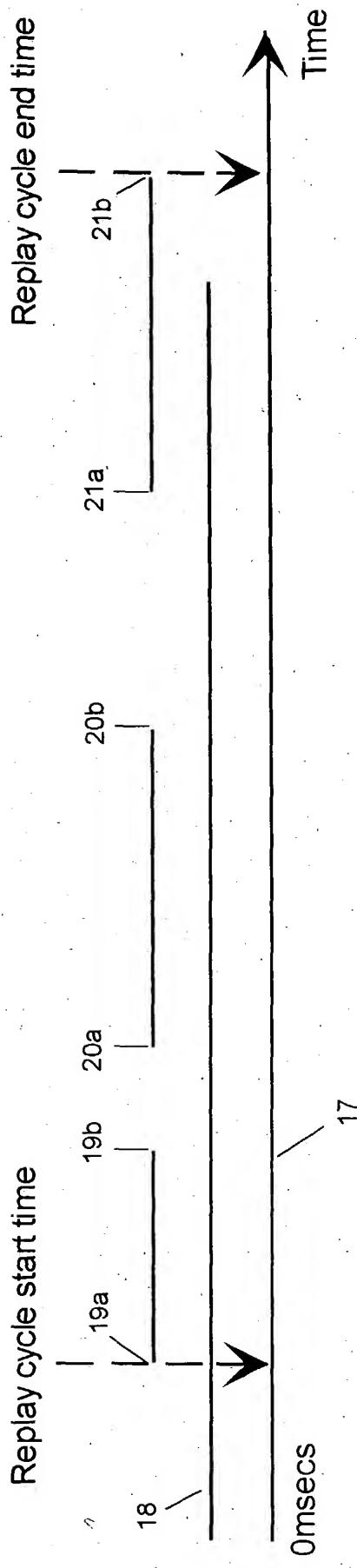


Figure 7

Down click has occurred

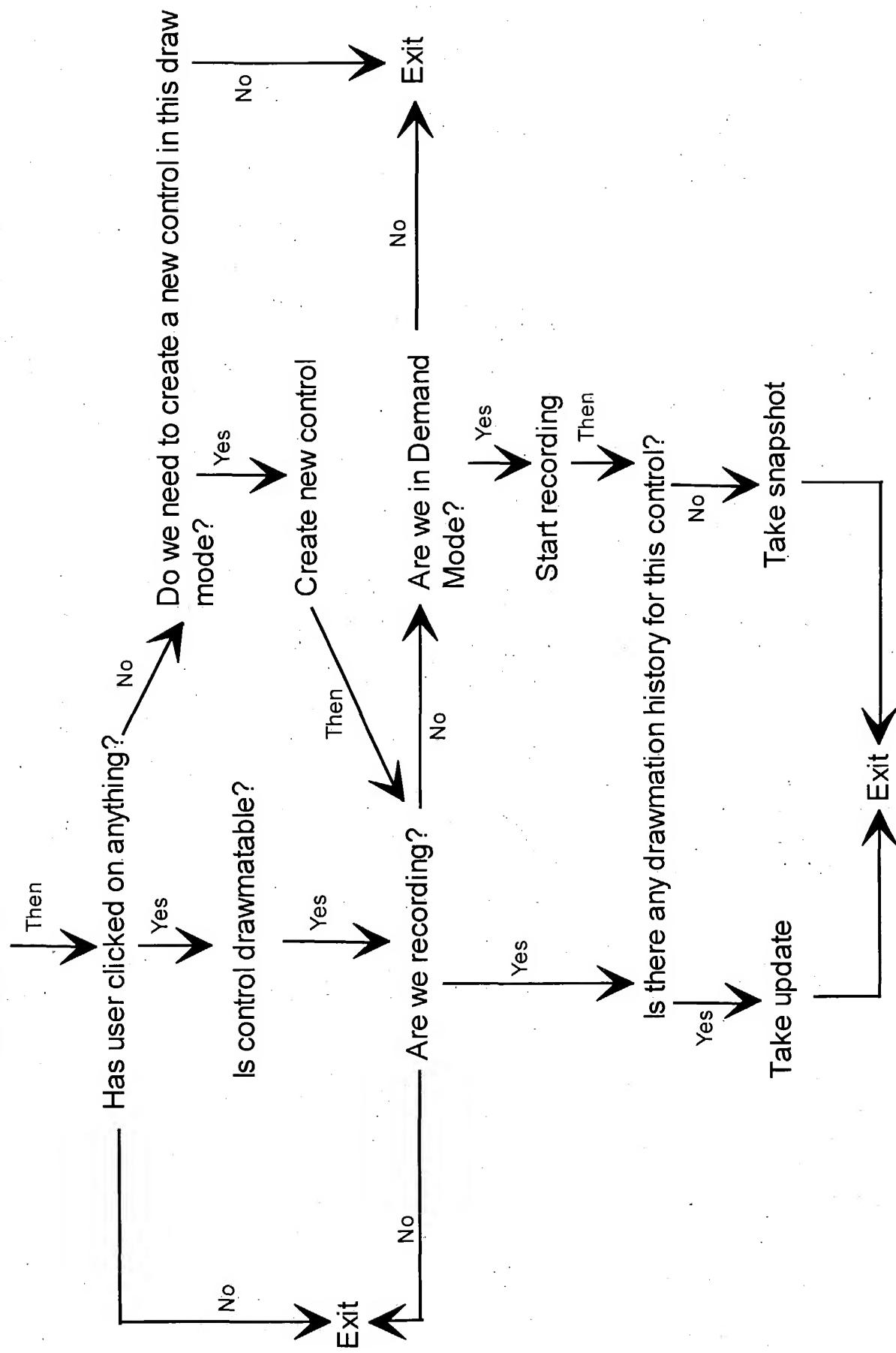


Figure 8

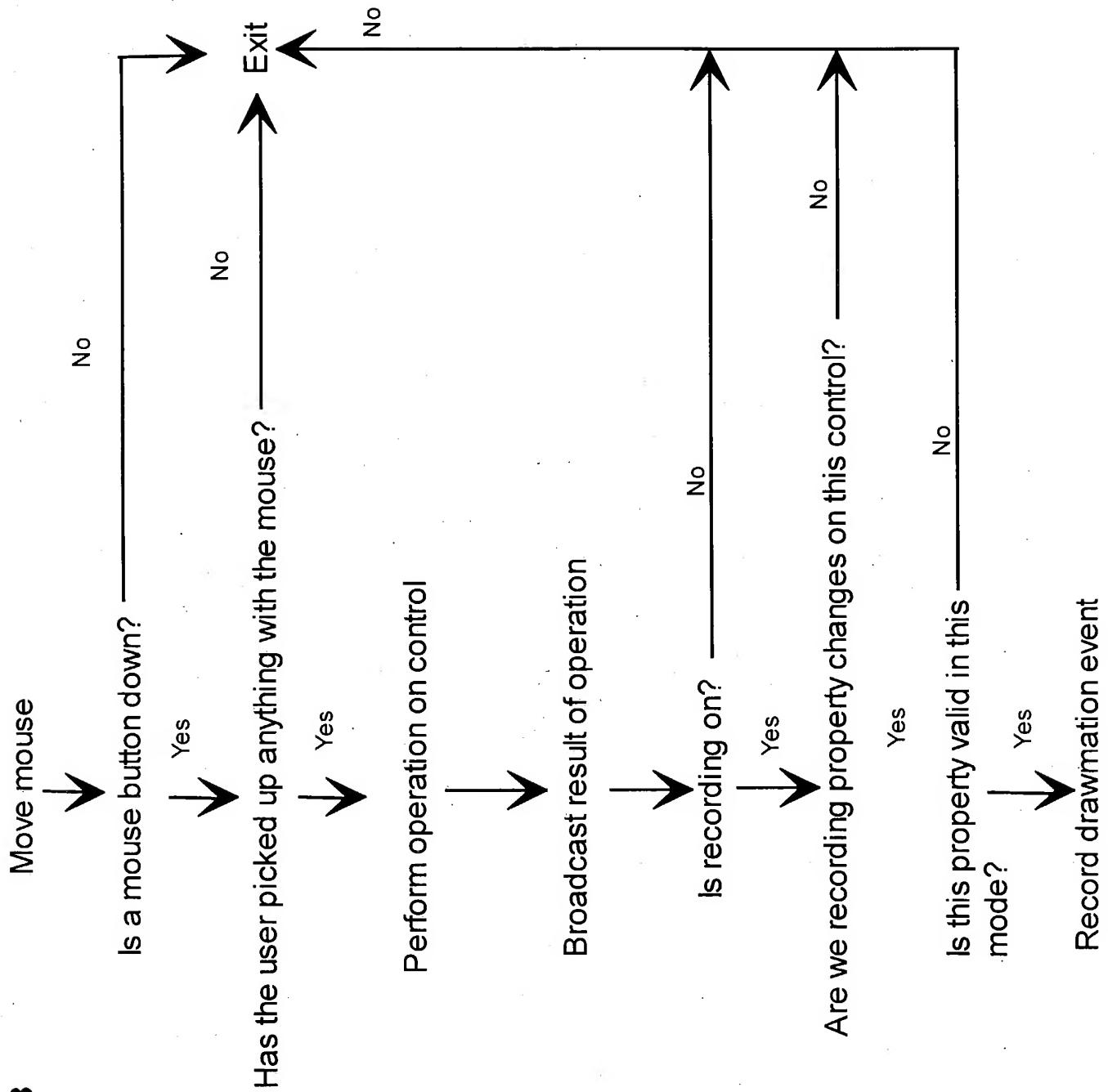


Figure 9

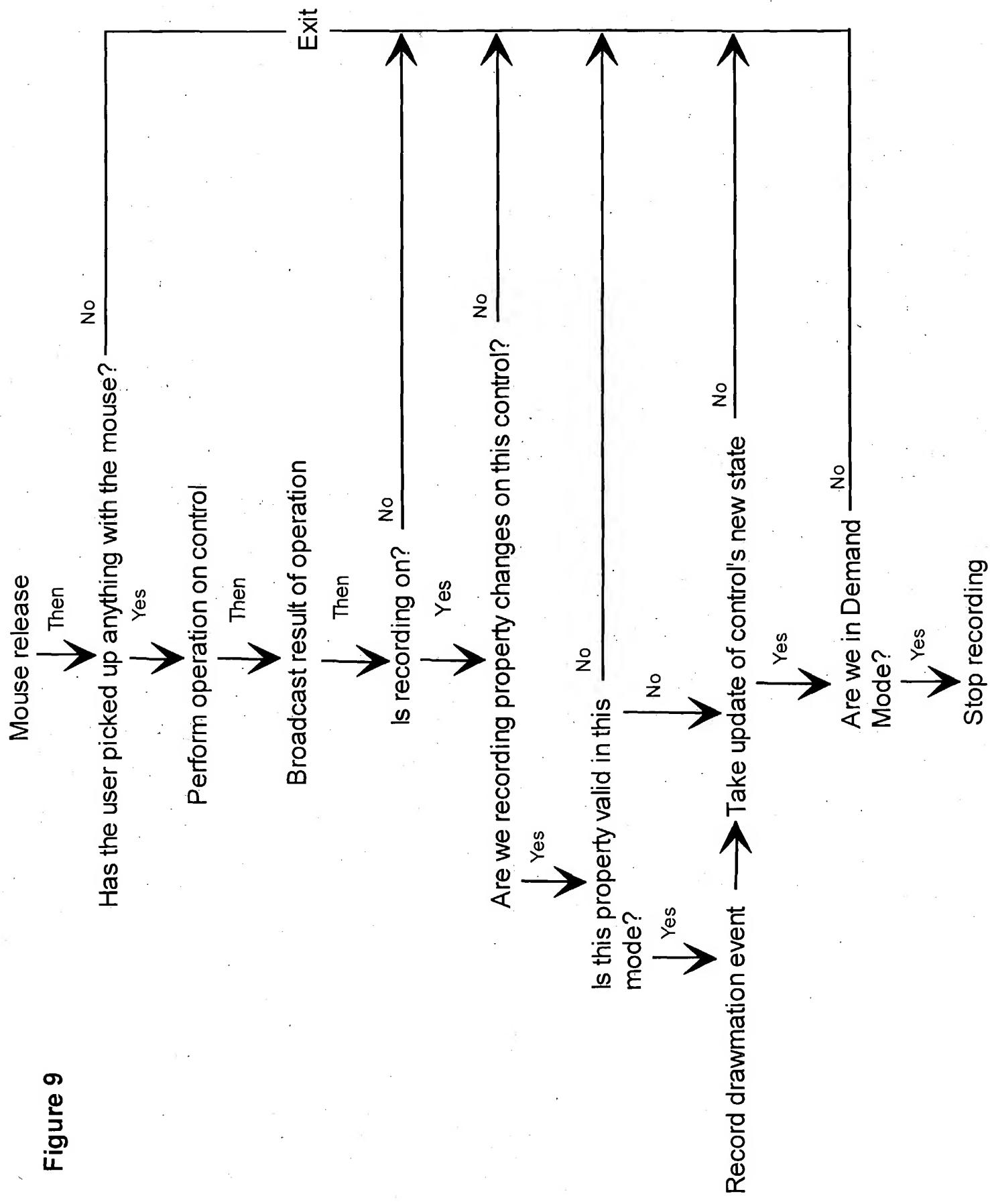


Figure 10

Multiple record passes can be made during a single replay cycle.

During the first replay cycle in which a control is recorded, it is automatically punched in and out when recording starts and stops.

Note that replay does not have to start at the beginning of the session. Replay may be started at any point up to the end of the session.

Note that the duration of the current session is extended by recording past the replay end time. On the next replay cycle, replay will end at this new time (if the user does not record past it again).

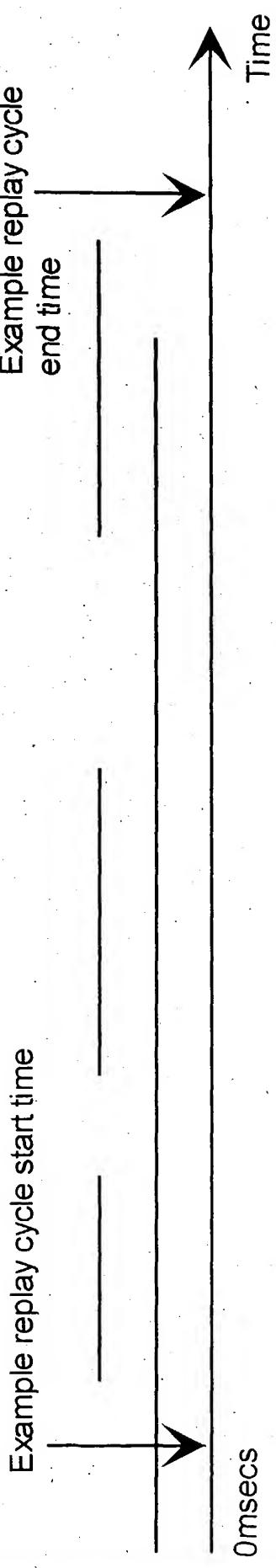


Figure 11

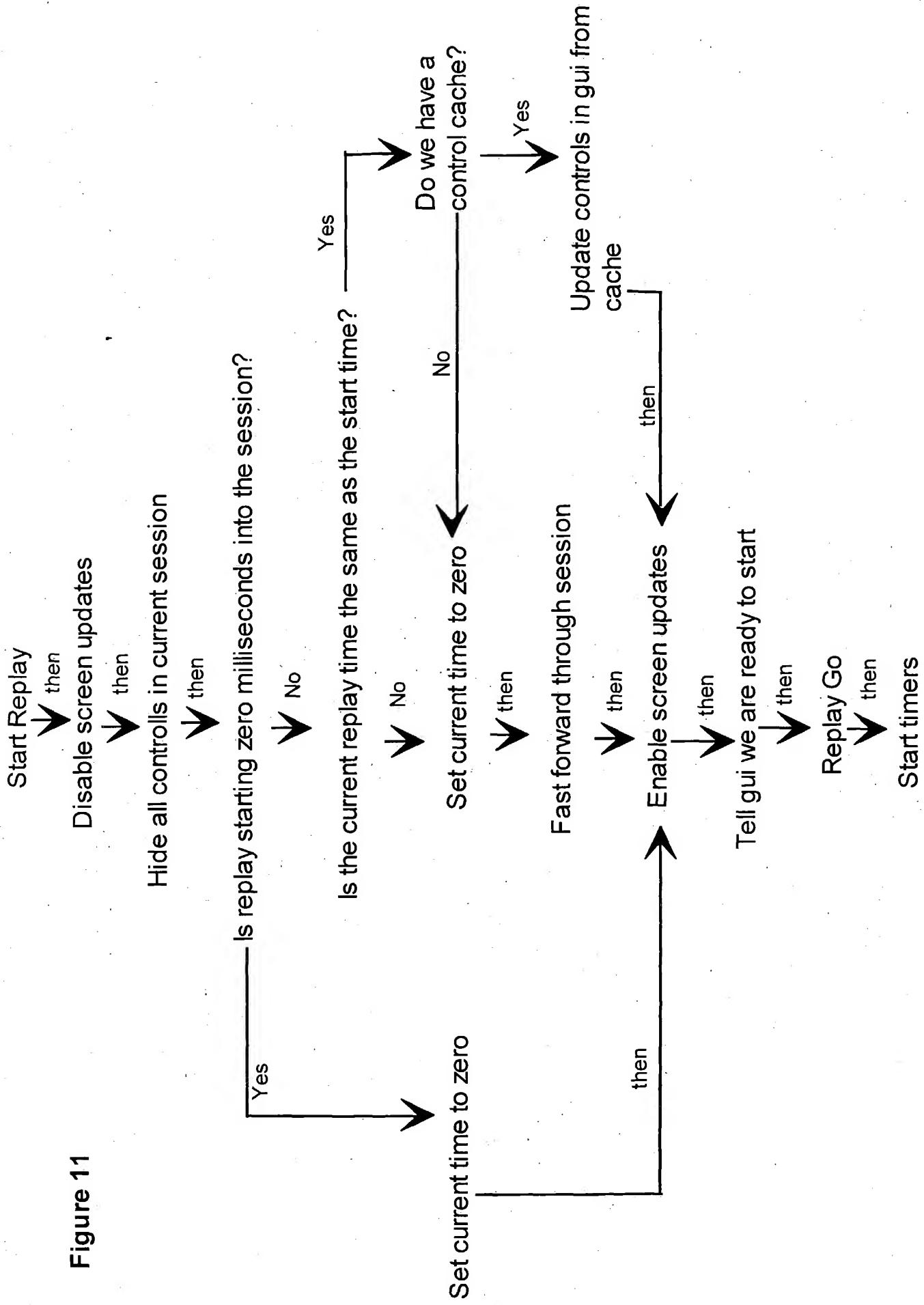


Figure 12

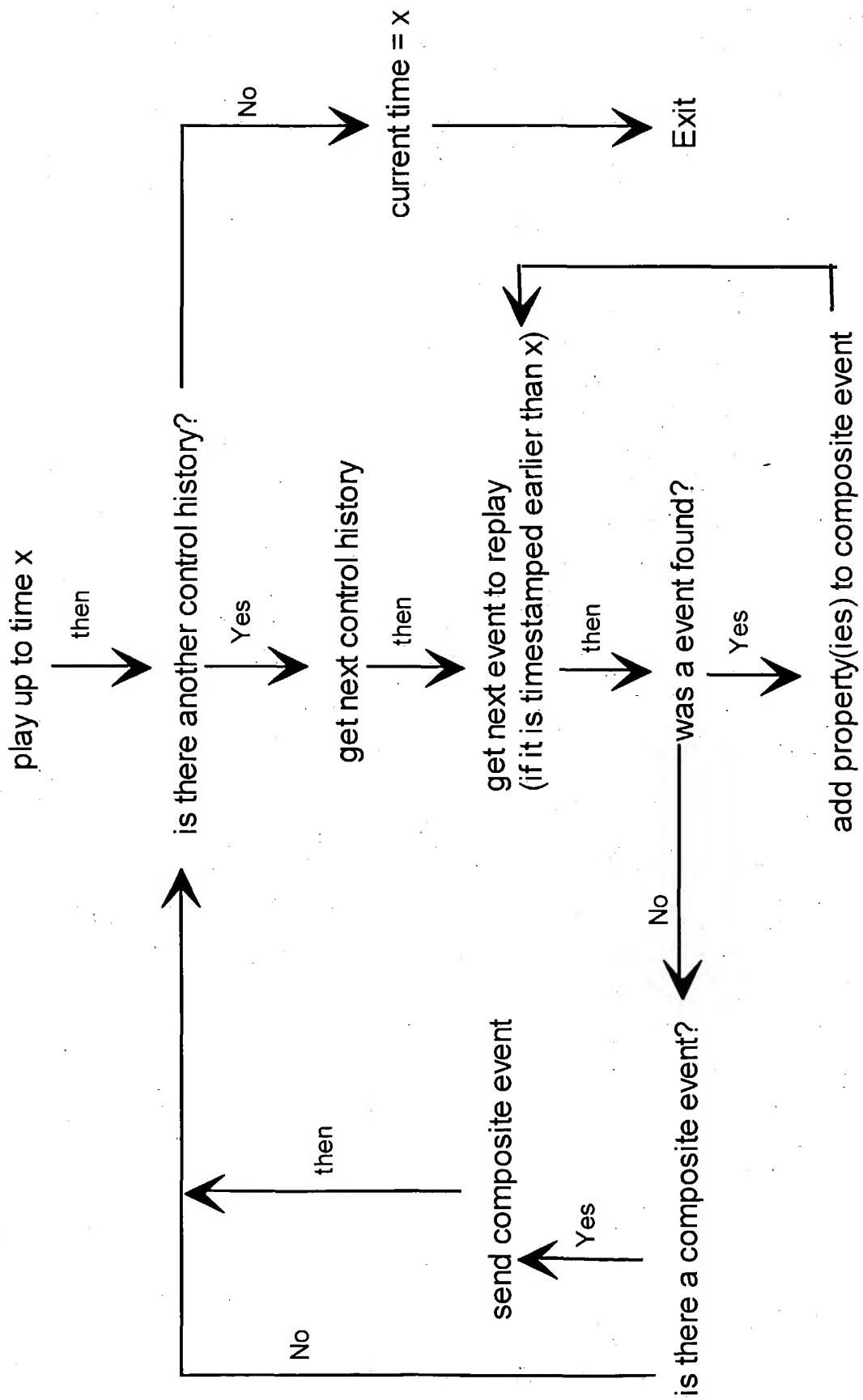


Figure 13

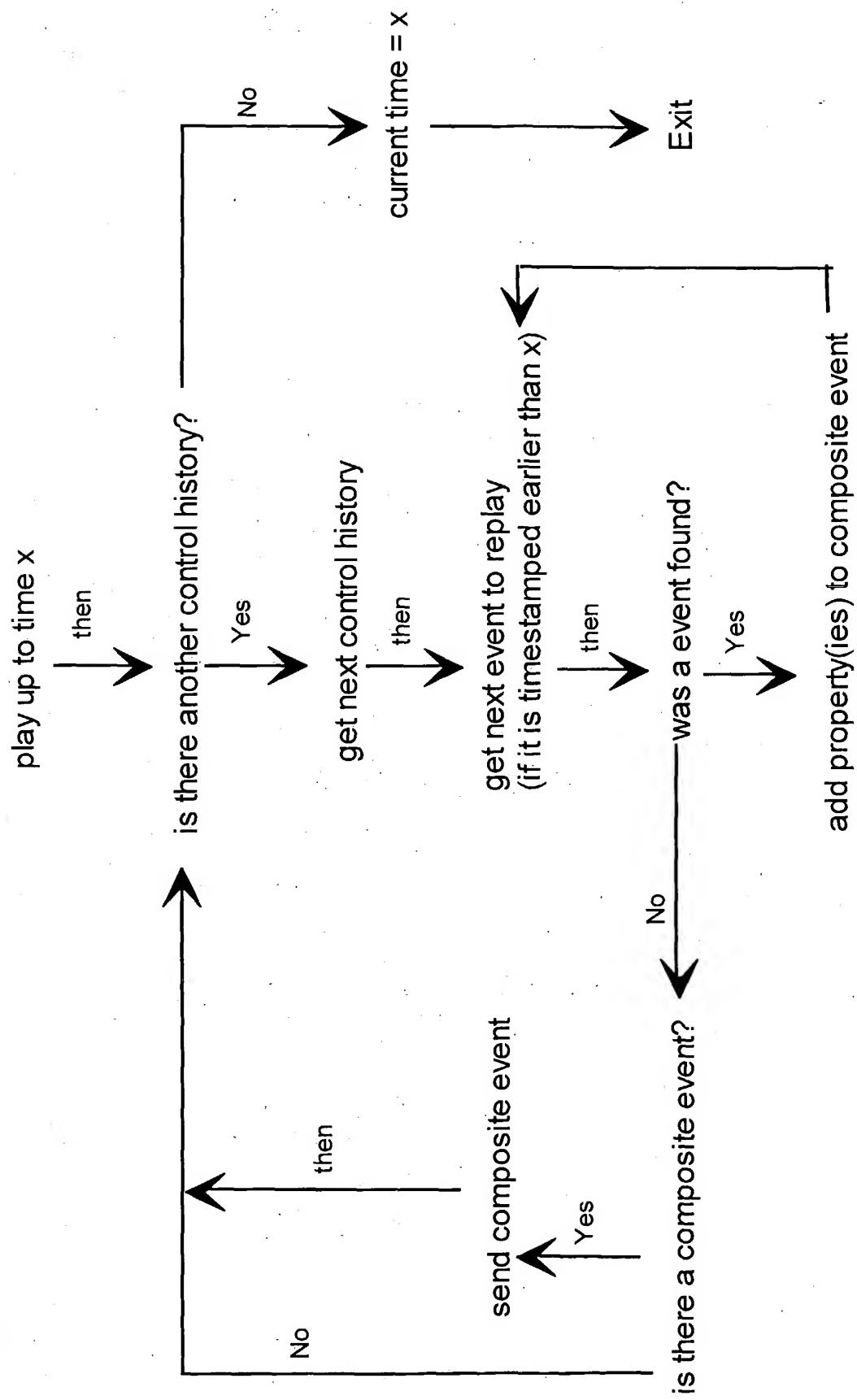


Figure 14

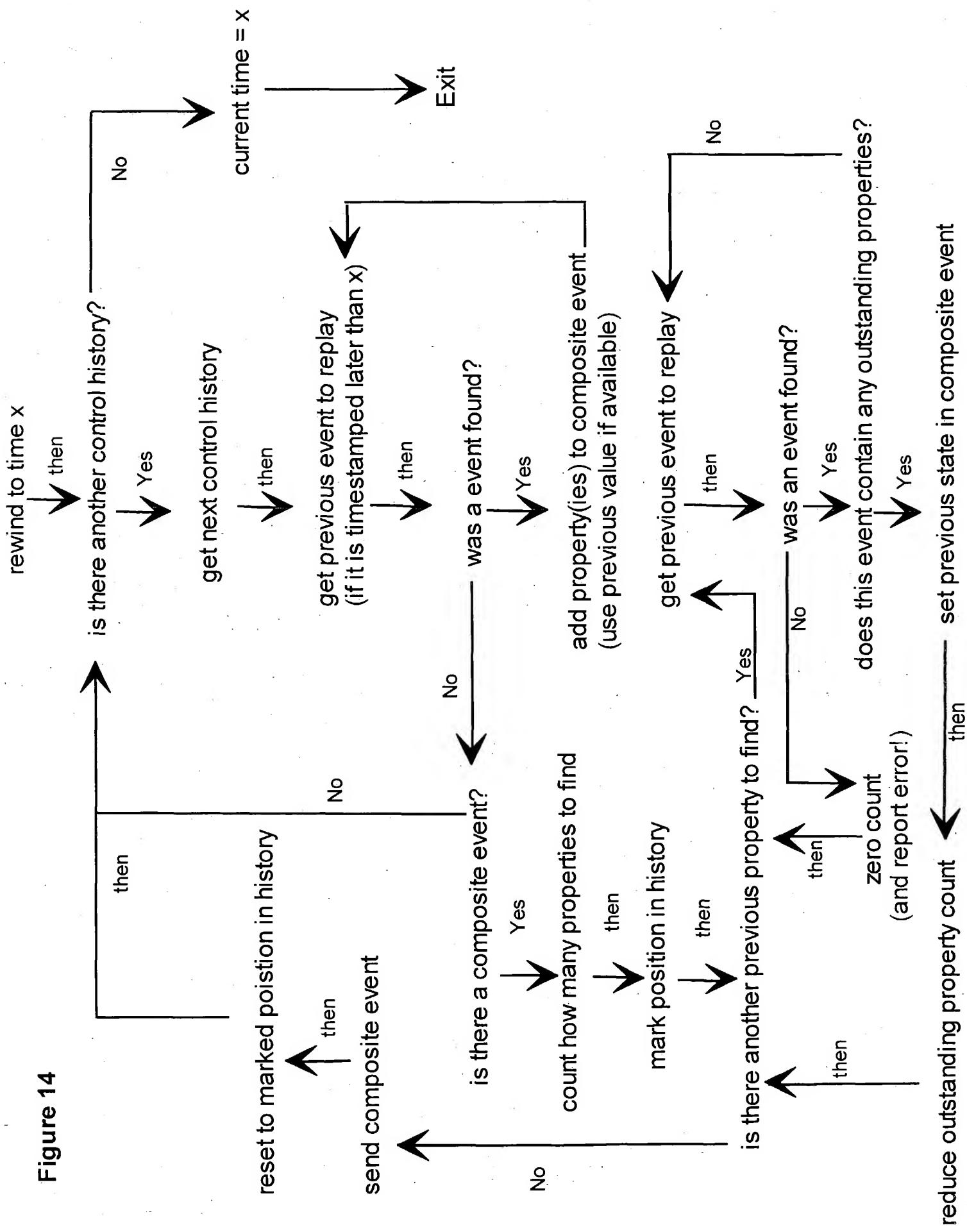


Figure 15

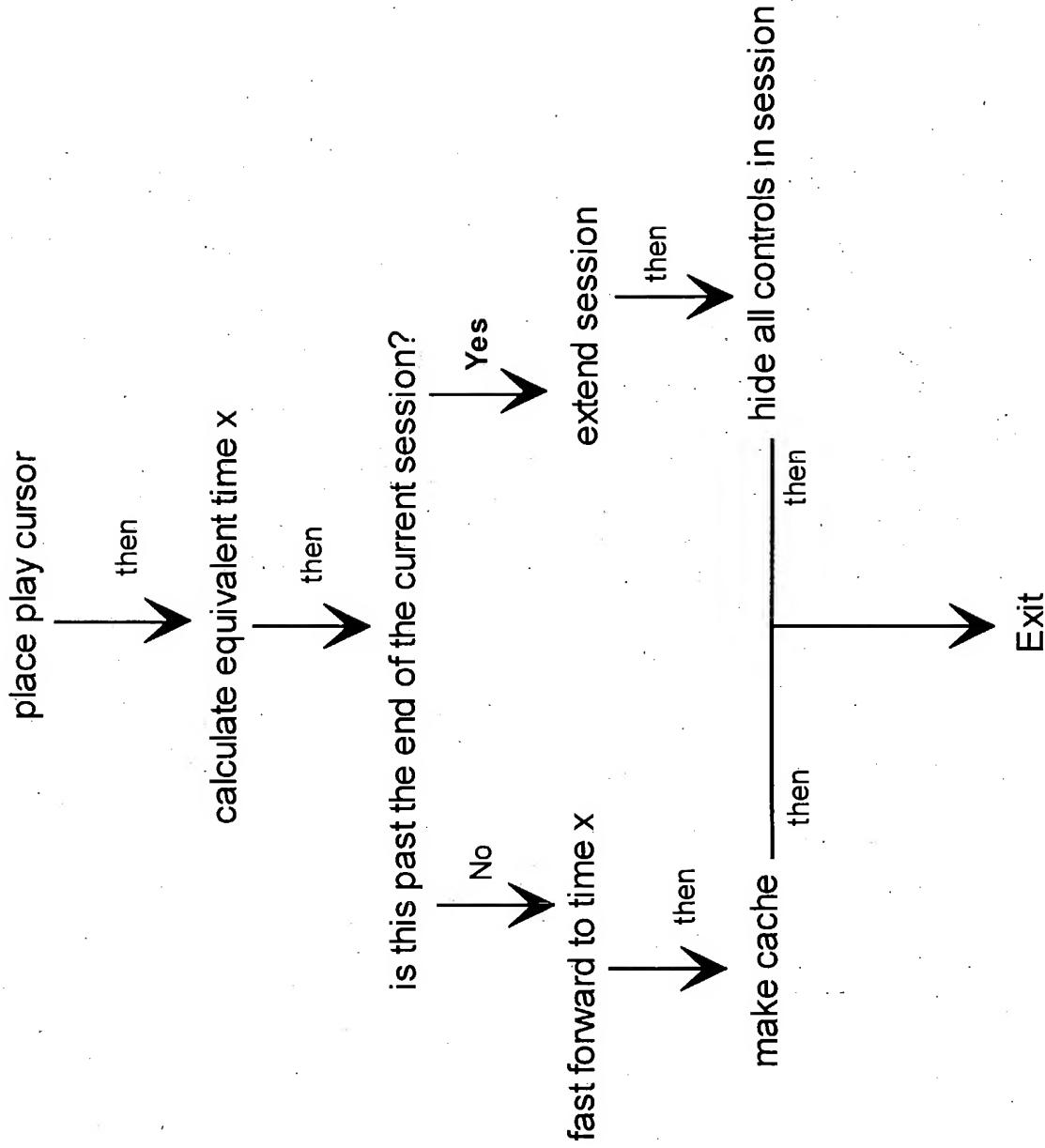
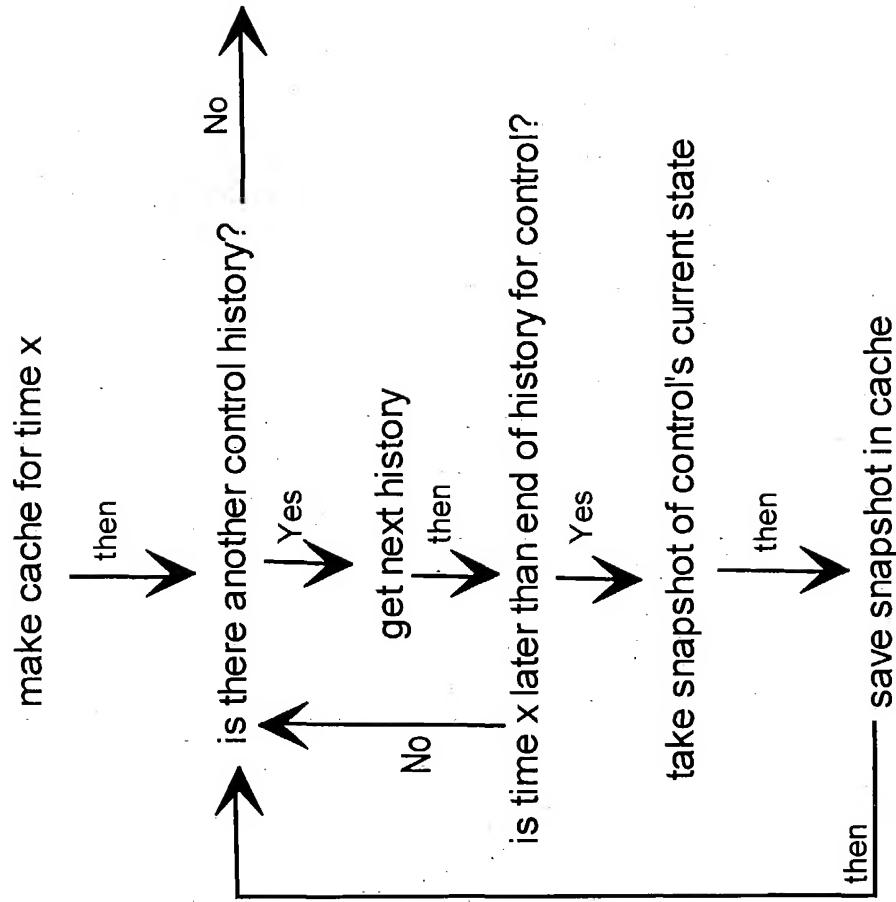
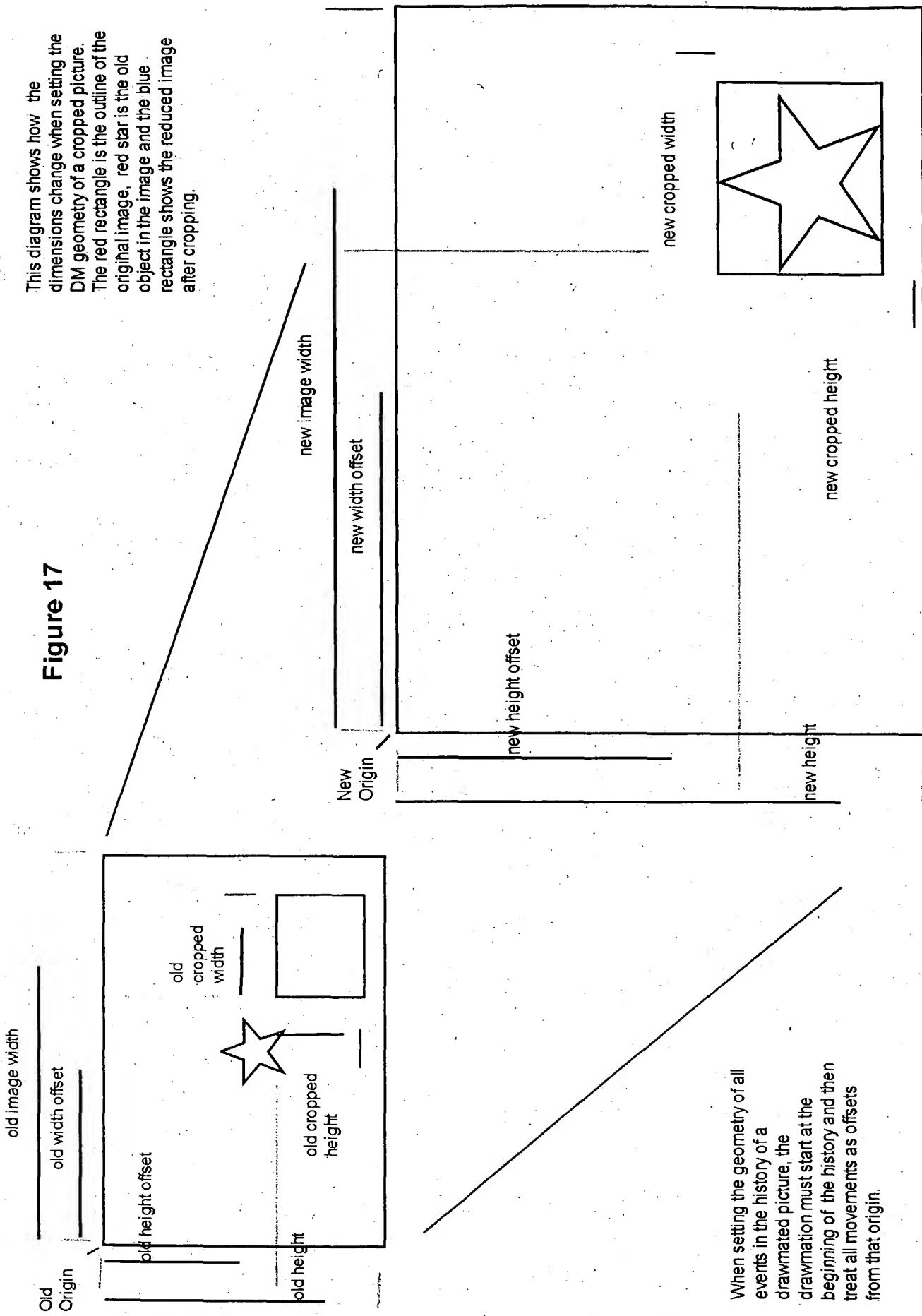


Figure 16



This diagram shows how the dimensions change when setting the DM geometry of a cropped picture. The red rectangle is the outline of the original image, red star is the old object in the image and the blue rectangle shows the reduced image after cropping.

Figure 17



When setting the geometry of all events in the history of a drawn picture, the drawmation must start at the beginning of the history and then treat all movements as offsets from that origin.

Figure 18a

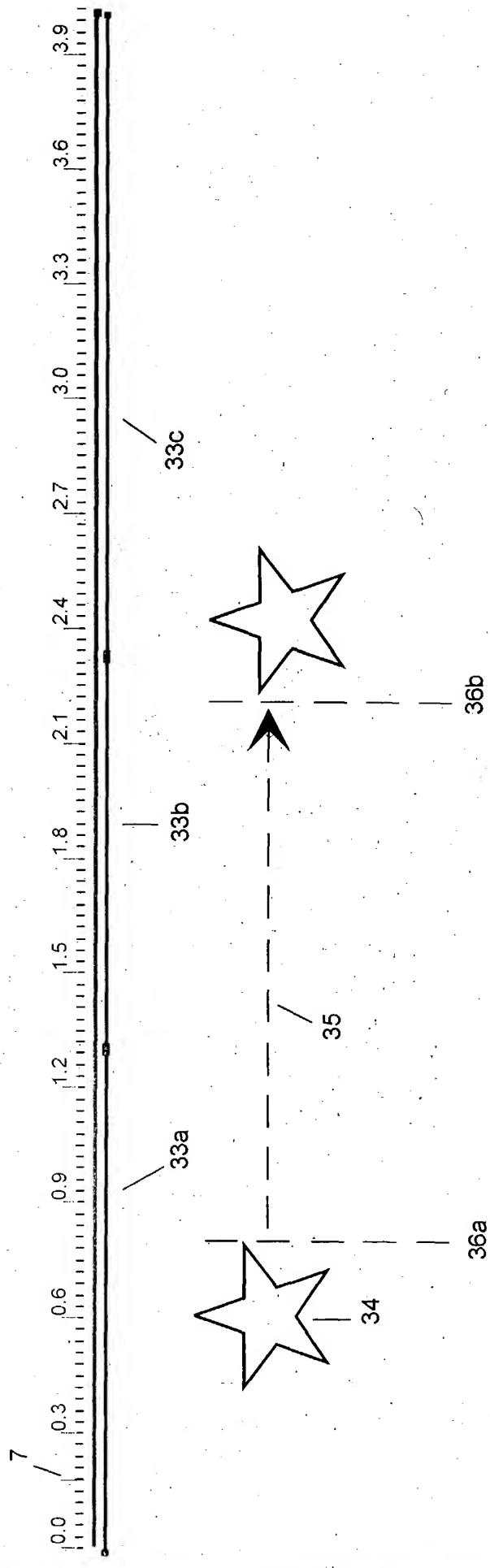


Figure 18b

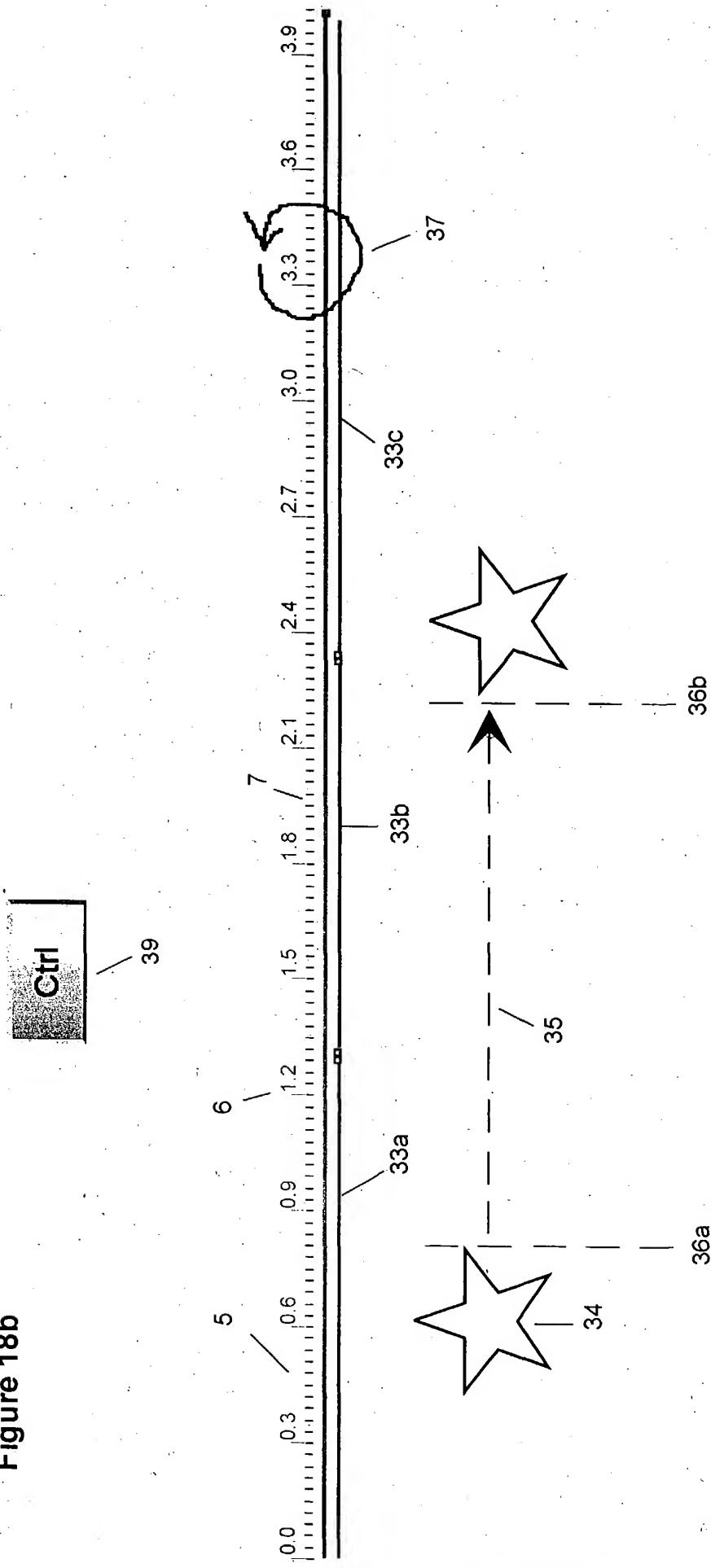
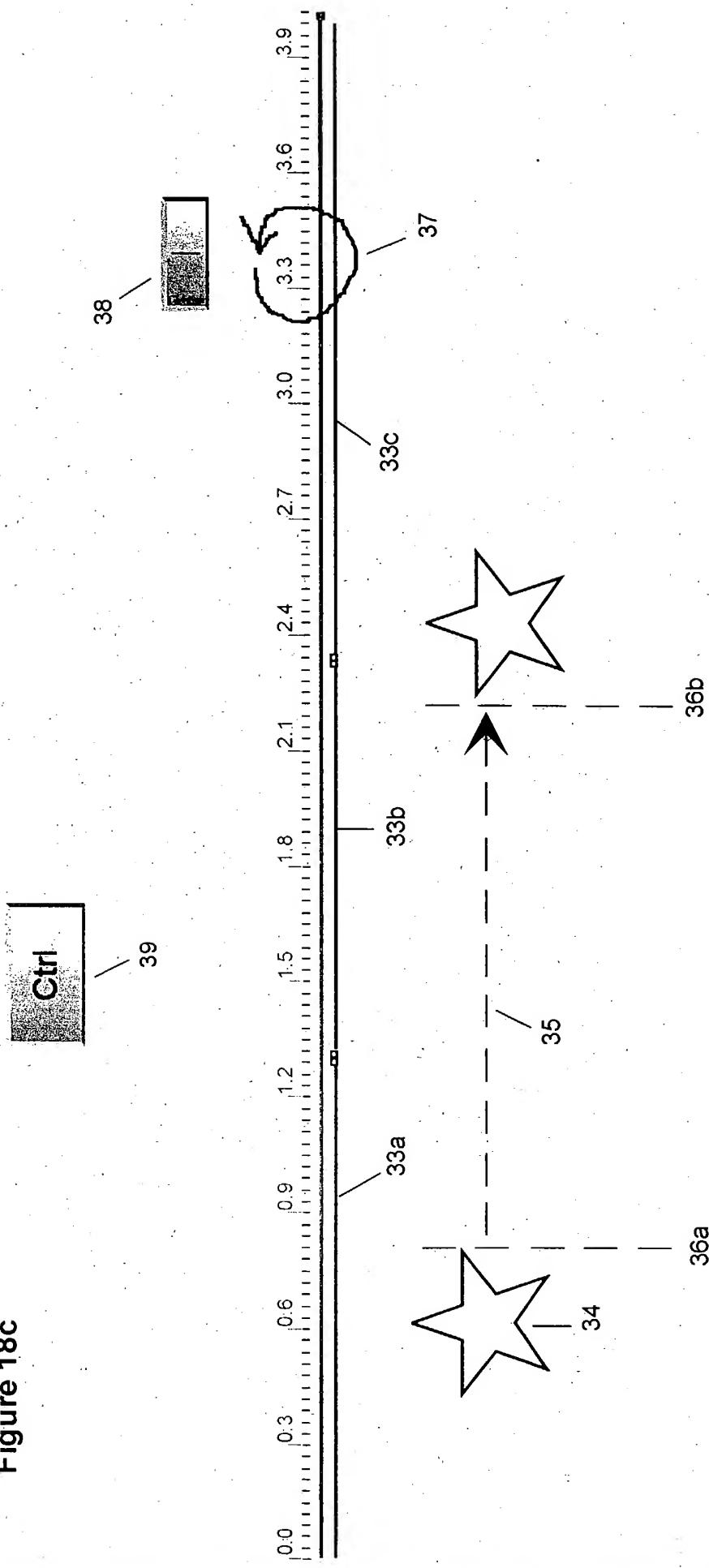


Figure 18c



User opens picture file browser

↓ Then

User navigates to required directory

↓ Then

User selects picture with blue arrow drawn onto blackspace

↓ Then

User draws modifier arrow

↓ Then

User types film (and optionally frame rate)

↓ Then

Is there a dramation currently loaded for editing
↓ No
Create drawmation session
↓ Then
Set start time to zero
↓ Then

Get current replay time

↓ Then

Create picture control using first selected picture file

↓ Then

Record picture in drawmation
↓ Then
Have all selected picture files been used?
↓ Yes → Exit
↓ No
Get next selected picture file
↓ Then
Load image
↓ Then

Record event in dramation

↓ Then

Calculate frame timestamp

↓ Then

Construct update event with filename and geometry

↓ Then

Calculate geometry of picture control as part of film

↑

Request new drawmation transaction for picture
control (creates new playbar)

Figure 19

Figure 20

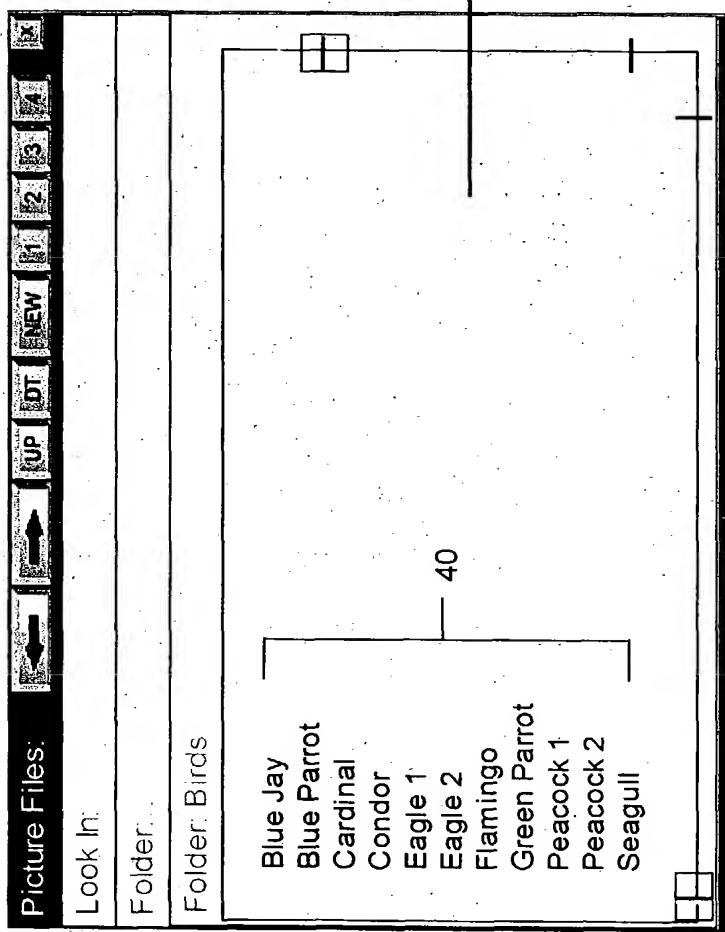
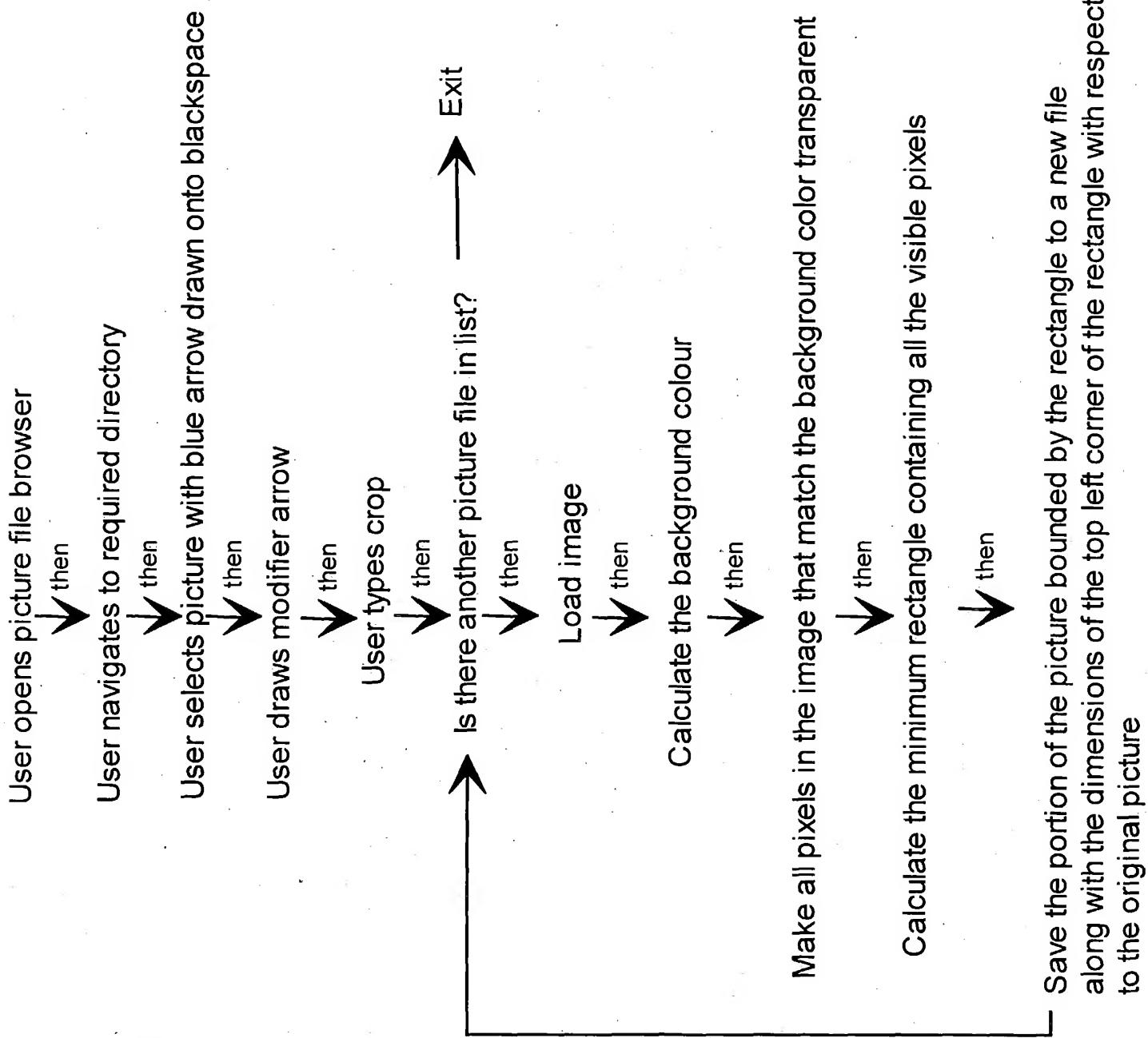


Figure 21



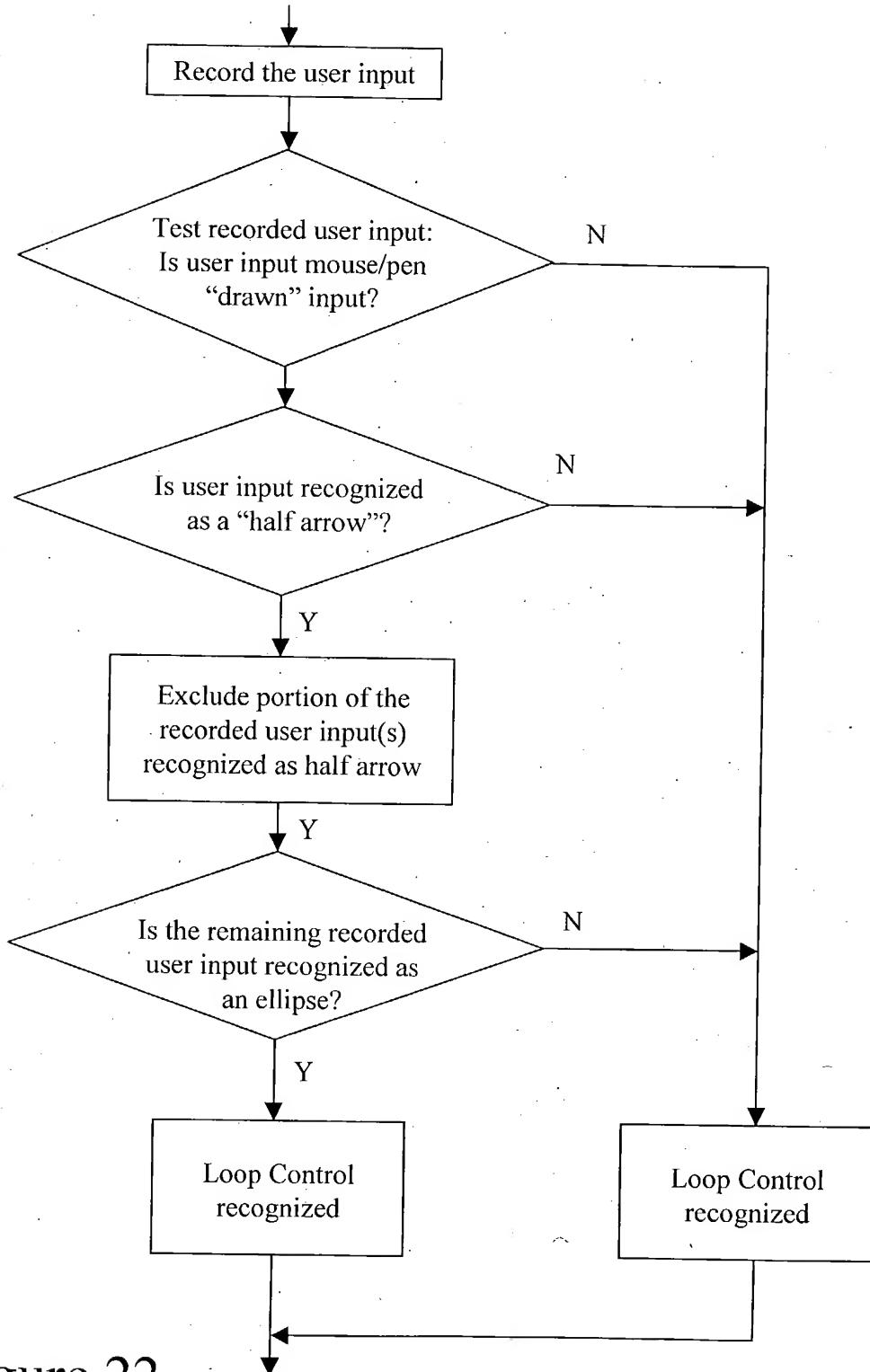


Figure 22